

Stipes 30-35 cm long, hard, erect, glabrous, glossy, chestnut brown. Fronds (excluding stipe) 30-40 cm long, 15-25 cm broad, 2-3 pinnate, upper pinna subsessile, lower pinna petiolate, length of petiole 0.3 cm to 1 cm; pinnae 0.5 cm to 3.5 cm × 3.5 cm to 11 cm; terminal pinna has linear closely placed lobes with decurrent base; costa mostly grooved on the lower surface; pinnule 2 mm to 2.5 mm ×

6 mm to 4 cm, subcoreaceous, apex acute or rounded, margin dentato-crenate, sinus less than 1 mm, base decurrent; rachis glabrous; veins once or rarely twice forked, prominent on the lower surface; sorus continuous along the margin of the pinnule except the apex.

Specimen examined.—Hansden, Shevroy Hills (Tamil Nadu), *J. Ghatak* E112 (June 18, 1961), under shade by a stream.

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N. C. NAIR<sup>1</sup>  
S. R. GHOSH

<sup>1</sup> Present address: Regional Botanist, Central National Herbarium, Botanical Survey of India, Sibpur, Howrah 3 (W.B.).

### 33. SOME NEW RECORDS OF PLANTS FROM LUCKNOW DISTRICT (U.P.)

While undertaking intensive plant collections in the district, I came across 14 species of Angiosperms and 13 species of Pteridophytes, which have not been previously recorded in any of the published accounts of the flora of the district. The specimens are deposited in the Herbarium of Botany department, B.S.N.V. Degree College, Lucknow. The Angiospermic taxa along with their localities are given below.

#### MALVACEAE

*Abutilon asiaticum* G. Don (= *Sida asiatica* Linn.)

Common near Moosa Bagh forest and along Lucknow-Barabanki road near Chinhat.

*Sida ovata* Forsk. (= *S. grewioides* Guill. & Perr.)

On the boundary of the fields along Lucknow-Kursi road.

#### SAPINDACEAE

*Cupania fuscidula* Kurz

Along the sides of Lucknow-Sitapur road.  
*C. pleuropteris* Blume

Along the sides of Lucknow-Sitapur road.

#### FABACEAE (PAPILIONACEAE)

*Crotalaria bialata* Schrank (= *C. alata* Buch.-Ham. ex D. Don)

Very common in the fields of Rahimabad and uncommon in Kukrail forest.

*C. notonii* W. & A. (= *C. trifoliatrum* Wall., *C. rostrata* W. & A.)

Kukrail forest and Mohanlalganj.

#### CAESALPINIACEAE

*Cassia italica* (Mill.) Lamk. ex Ander.  
(= *C. obtusa* Roxb.)

Near La Martiniere College and on the sides of Lucknow-Sitapur road.